WHAT IS CLAIMED IS:

1   1. A telecommunications system, comprising:

2   an Ethernet-type local area network; and

3   one or more telecommunications devices coupled to said Ethernet-type local

4 area network, said one or more telecommunications devices including:

5   an Internet Protocol voice communication stack;

6   a Quality of Service Ethernet layer; and

7   a Generate Quality of Service Ethernet layer interposed between said

8   Internet Protocol voice communication stack and said Quality of Service

9   Ethernet layer and adapted to intercept commands from said Internet Protocol

10   voice communication stack, identify from said commands a quality of service

11   required for individual calls, and generate corresponding Quality of Service

12   commands to said Quality of Service Ethernet layer.

1   2. A telecommunications system in accordance with claim 1, said Internet

2 Protocol voice communications stack comprising an H.323 compatible voice stack.

1   3. A telecommunications system in accordance with claim 2, said

2 commands comprising H.225 call setup commands.

1   4. A telecommunications system in accordance with claim 3, said

2 Generate Quality of Service Ethernet layer adapted to translate a bearer capability

3 portion of said H.225 call setup commands into a Quality of Service Ethernet

4 command.

1   5. A telecommunications system in accordance with claim 3, said

2 Generate Quality of Service Ethernet layer adapted to translate a called party

3 identification portion of said H.225 call setup commands into a Quality of Service

4 Ethernet command.

1   6. A telecommunications system in accordance with claim 3, said

2 Generate Quality of Service Ethernet layer adapted to translate a conference goal

3 portion of said H.225 call setup commands into a Quality of Service Ethernet

4 command.

1   7.   A telecommunications system in accordance with claim 2, said

2 commands comprising H.245 terminal capabilities commands.

1   8.   A telecommunications system in accordance with claim 7, said

2 Generate Quality of Service Ethernet layer adapted to translate a negotiated terminal

3 capability into a Quality of Service Ethernet command.

1   9.   A telecommunications system in accordance with claim 1, said

2 commands comprising RAS commands.

1   10.   A telecommunications system in accordance with claim 9, said

2 commands comprising Admission Request (ARQ) commands to a gatekeeper.

1   11.   A telecommunications system in accordance with claim 9, said

2 commands comprising Bandwidth Request (BRQ) commands to a gatekeeper.

1   12.   A telecommunications device adapted to be coupled to an Ethernet-

2 type local area network, comprising:

3   an Internet Protocol communication stack;

4   a Quality of Service Ethernet layer; and

5   a Generate Quality of Service Ethernet layer interposed between said Internet

6 Protocol voice communication stack and said Quality of Service Ethernet layer and

7 adapted to intercept call commands from said Internet Protocol voice communication

8 stack, identify from said call commands a quality of service required for individual

9 calls, and generate corresponding Quality of Service commands to said Quality of

10 Service Ethernet layer.

1   13.   A telecommunications device in accordance with claim 1, said Internet

2 Protocol voice communications stack comprising an H.323 compatible voice stack.

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1   14.   A telecommunications device in accordance with claim 13, said

2 commands comprising H.225 call setup commands.

1   15.   A telecommunications device in accordance with claim 14, said

2 Generate Quality of Service Ethernet layer adapted to translate a bearer capability

3 portion of said H.225 call setup commands into a Quality of Service Ethernet

4 command.

1   16.   A telecommunications device in accordance with claim 14, said

2 Generate Quality of Service Ethernet layer adapted to translate a called party

3 identification portion of said H.225 call setup commands into a Quality of Service

4 Ethernet command.

1   17.   A telecommunications device in accordance with claim 14, said

2 Generate Quality of Service Ethernet layer adapted to translate a conference goal

3 portion of said H.225 call setup commands into a Quality of Service Ethernet

4 command.

1   18.   A telecommunications device in accordance with claim 13, said

2 commands comprising H.245 terminal capabilities commands.

1   19.   A telecommunications device in accordance with claim 18, said

2 Generate Quality of Service Ethernet layer adapted to translate a negotiated terminal

3 capability into a Quality of Service Ethernet command.

1   20.   A telecommunications device in accordance with claim 12, said

2 commands comprising RAS commands.

1   21.   A telecommunications device in accordance with claim 20, said

2 commands comprising Admission Request (ARQ) commands to a gatekeeper.

1   22.   A telecommunications device in accordance with claim 20, said
2 commands comprising Bandwidth Request (BRQ) commands to a gatekeeper.

1   23.   A method comprising:
2   intercepting call commands from an Internet Protocol voice communication
3 stack;
4   identifying from said call commands a quality of service required for individual
5 calls; and
6   generating corresponding Quality of Service commands to a Quality of
7 Service Ethernet layer.

1   24.   A method in accordance with claim 23, said Internet Protocol voice
2 communications stack comprising an H.323 compatible voice stack.

1   25.   A method in accordance with claim 24, said call commands comprising
2 H.225 call setup commands.

1   26.   A method in accordance with claim 25, comprising translating a bearer
2 capability portion of said H.225 call setup commands into a Quality of Service
3 Ethernet command.

1   27.   A method in accordance with claim 25, comprising translating a called
2 party identification portion of said H.225 call setup commands into a Quality of
3 Service Ethernet command.

1   28.   A method in accordance with claim 25, comprising translating a
2 conference goal portion of said H.225 call setup commands into a Quality of Service
3 Ethernet command.

1   29.   A method in accordance with claim 24, said commands comprising

2 H.245 terminal capabilities commands.

1   30.   A method in accordance with claim 29, comprising translating a
2 negotiated terminal capability into a Quality of Service Ethernet command.

1   31.   A method in accordance with claim 24, said commands comprising
2 RAS commands.

1   32.   A method in accordance with claim 31, said commands comprising
2 Admission Request (ARQ) commands to a gatekeeper.

1   33.   A method in accordance with claim 31, said commands comprising
2 Bandwidth Request (BRQ) commands to a gatekeeper.
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